

AMENDMENTS TO THE ABSTRACT

Please amend the Abstract as follows.

ABSTRACT**FIBER-OPTIC INTERFEROMETRIC ROTATION SPEED SENSOR DEVICE**

[[The]] An fiber-optic interferometric rotation sensor device of the invention comprises has a laser source combined with an optical fiber. These are and with a device configured to cause interference between for making the a beam from the laser source interfere with the and a beam coming from the optical fiber, and, according to one feature of the invention, the . The laser source [[is]] includes an optical cavity having a gain lasing medium and the . The sensor device includes, along the path of the beam output by the laser cavity, a beam splitter device associated with a mirror, wherein the beam split off from the beam output by the laser cavity [[being]] is sent into one of the ends of the optical fiber[[,]] and directed from the other end of which is directed toward the gain lasing medium that forms to form a nonlinear mirror[[,]] [[the]] . The splitter device [[being]] is followed by a detector.

FIGURE 1